

ABSTRACT

[0037] A high-speed data transmission network system (8) is provided. The system (8) includes a plurality of subscriber premises (12) that transmit a first upstream signal (28) on a first frequency band to a central office or a remote terminal (10), which is in communication with the plurality of subscriber premises (12). The central office or the remote terminal (10) broadcasts a downstream signal (30) to each of the plurality of subscriber premises (12) on a second frequency band, which is higher in frequency than said first frequency band. The downstream signal (30) contains one or more subscriber group signals and a plurality of subscriber specific signals. A controller (44) provides each of the subscriber premises (12) access to one or more of the one or more subscriber group signals and to a corresponding subscriber specific signal of the plurality of subscriber specific signals. A method of performing the same is also provided. A method of adjusting performance of transmitted signals between a central office (10) and a subscriber premise (12) within the high-speed data communication network system (8) is additionally provided.
